***Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ TP: \_\_\_\_***

HW#85: Isosceles Triangles

Due: Tuesday, March 26th

Geometry

**Failure to show all work will result in LaSalle!**

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| --- | --- |
| **1)** Find the missing angle: | **2)** Find the exterior angle: |
| **3)** Find the missing angle. b) Identify what theorem you used to determine the missing angle. | **4)** Find the exterior angle. b) Identify what theorem you used to determine the missing angle. |
| **5)**   1. In the figure below lines *a* and *b* are parallel,   4 = 30, and  . Find the measure of 7. | **6)**   1. In figure below, *MH*  *AT and MA*  *HT*. Which of the following angle congruencies must hold?   2  5  6  3  7  4  1  H  T  M  A |

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| 7. **GRASP!** “A sheet of lined paper has many parallel lines, draw a slanted line on a piece of **notebook paper**, what angle pairs have been created? Are they congruent? ”  http://fc00.deviantart.net/images3/i/2004/150/e/d/WallNotebookPaper.jpg |
| 8. **GRASP!** In the flag shown,  is a straight angle and bisects  and .   1. Name 4 acute, obtuse, and right angles. 2. Identify 3 congruent angles, **not** listed in part a. 3. If m find and. Explain.   **C**  **D**  **B**  C:\Users\vwalden\AppData\Local\Microsoft\Windows\Temporary Internet Files\Content.IE5\QQEJKS1N\MP900362858[1].jpg  **E**  **A**  **F** |